

# Contents of Volume 53

## No. 1 June 1989

	Page
Implementation of Seismic Design and Retrofit Procedures for Highway Bridges by Thomas Krylowksi and Ian G. Buckle . . . . .	1
Getting Started—Selecting and Using Computerized Traffic Models by Juan M. Morales, P.E. . . . .	6
Corrosion and Weathering Steel Bridges by Terry D. Halkyard . . . . .	12
Expert System for Pavement Maintenance Management by Hamid Aougab, Charles W. Schwartz, and James A. Wentworth . . . . .	17

## No. 2 September 1989

Guidelines for Audible Pedestrian Signals by Morris B. Oliver . . . . .	33
Load Equivalency: Issues for Further Research by Rita Trapani and Charles Scheffey . . . . .	39
Evaluation of Absorptive Sound Barrier Samples in Freeze/Thaw Environments by Susan N. Lane . . . . .	46
Changes Occurring in Asphalts During Drum-Dryer and Batch Mixing Operations by Brian H. Chollar, Joseph A. Zenewitz, John G. Boone, Kimberly T. Tran, and David Anderson . . . . .	49

## No. 3 December 1989

	Page
Federal Highway Administration's Rural Technical Assistance Program by William L. Williams, P.E. . . . .	73
Modern Analytical Techniques Applied to Highway Materials Problems by W.C. Ormsby . . . . .	77
A Strategic Transportation Research Study for Highway Safety by Jerry A. Reagan . . . . .	85
Pavement Performance Curves: Four Case Studies by James J. Bednar . . . . .	90

## No. 4 March 1990

FASTBRID: An Expert System for Bridge Fatigue by Hani G. Melhem and James A. Wentworth . . . . .	109
Evaluation of the PRORUT System by Douglas Brown . . . . .	118
Laboratory Evaluation of a Fractured Steel Plate Girder Bridge by Charles H. McGogney and Sheila R. Duwadi . . . . .	123
Motorist Compliance to Standard Traffic Control Devices by Martin T. Pietrucha, P.E., Richard L. Knoblauch, Kenneth S. Opiela, Ph.D., and Kristy Crigler . . . . .	131

## List of Authors

(and volume page references)

	Page
Anderson, David . . . . .	49
Aougab, Hamid . . . . .	17
Bednar, James . . . . .	90
Boone, John G. . . . .	49
Brown, Douglas . . . . .	118
Buckle, Ian G. . . . .	1
Chollar, Brian . . . . .	49
Crigler, Kristy . . . . .	131
Duwadi, Sheila R. . . . .	123
Halkyard, Terry . . . . .	12
Knoblauch, Richard L. . . . .	131
Krylowksi, Thomas . . . . .	1
Lane, Susan N. . . . .	46
McGogney, Charles . . . . .	123
Melhem, Hani . . . . .	109
Morales, Juan M. . . . .	6
Oliver, Morris B. . . . .	33
Opiela, Kenneth S. . . . .	131
Ormsby, W.C. . . . .	77
Pietrucha, Martin T. . . . .	131
Reagan, Jerry . . . . .	85
Scheffey, Charles . . . . .	39
Schwartz, Charles W. . . . .	17
Tran, Kimberly T. . . . .	49
Trapani, Rita . . . . .	39
Wentworth, James A. . . . .	17, 109
Williams, William L. . . . .	73
Zenewitz, Joseph A. . . . .	49